




IFC 2174

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service, as first class mail, postage prepaid, in an envelope addressed to: Commissioner for Patents, P.O. Box 1415, Washington, D.C. 20231, on December 28, 2005.

Dated: December 28, 2005


Kevin L. Russell

Atty. Docket No.
7146.0122

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Baoxin Li et al.

Group Art Unit: 2174

U.S. Pat. App. No.: 9/934,004

Examiner: TBD

Filed: August 20, 2001

Customer No.: 00152

Title: SUMMARIZATION OF BASEBALL VIDEO CONTENT

INFORMATION DISCLOSURE STATEMENT
IN ACCORDANCE WITH 37 CFR §1.98

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Applicants submit herewith two sheets of Form PTO-1449 (Modified) listing the patents and non-patent references of which Applicants are aware and which Applicants desire to have considered by the Patent Office in accordance with 37 CFR §1.97. In accordance with 37 CFR §1.97(c)(2), this Information Disclosure Statement is being submitted after the mailing date of a first Office Action on the merits of the above-identified application.

In accordance with 37 CFR §1.97(h), the filing of this Information Disclosure Statement will not be regarded as an admission that any patent or publication or combination of patents referred to herein is, or is considered to be, material to patentability under 37 CFR §1.56(b) unless specifically designated as such.

The Examiner is requested to initial Form PTO-1449 and return an acknowledgment copy to the Applicant to confirm that the listed references were received and considered.

This Information Disclosure Statement is being submitted with the requisite fee of \$180.00. The Commissioner is hereby authorized to charge any additional fees, or credit any overpayment, to Deposit Account No. 03-1550.

The person making this statement is the attorney who signs below on the basis of the information supplied by the inventor and the information in his file.

Respectfully submitted,

CHERNOFF, VILHAUER, McCLUNG & STENZEL

By: 

Kevin L. Russell, Reg. No. 38,292

1600 ODS Tower

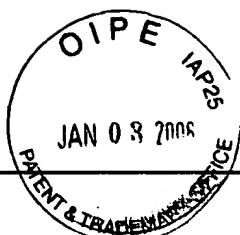
601 SW Second Avenue

Portland, OR 97204

Tel: 503-227-5631

Fax: 503-228-4373

Dated: December 28, 2005



INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

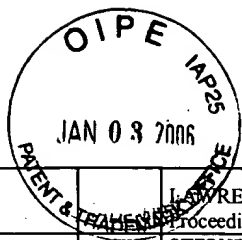
<p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)</p>				Application Number		09/934,004
				Filing Date		August 20,2001
				First Named Inventor		Baoxin Li, et al.
				Art Unit		2174
				Examiner Name		TBD
Sheet		of		Attorney Docket Number		7146.0122

U. S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant, Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US-4,253,108	02-24-1981	Engel	
		US-4,298,884	11-03-1981	Reneau	
		US-5,109,482	04-28-1992	Bohrman, D.	
		US-5,452,016	09-19-1995	Ohara, et al.	
		US-5,521,841	05-28-1996	Arman, et al.	
		US-5,635,982	06-03-1997	Zhang, et al.	
		US-5,654,769	08-05-1997	Ohara, et al.	
		US-5,778,108	07-07-1998	Coleman, Jr.	
		US-5,920,360	07-06-1999	Coleman, Jr.	
		US-5,959,681	09-28-1999	Cho	
		US-5,959,697	09-28-1999	Coleman, Jr.	
		US-5,990,980	11-23-1999	Golin	
		US-6,055,018	04-25-2000	Swan	
		US- 6,144,375	11-07-2000	Jain, et al.	
		US-6,219,837	04-17-2001	Yeo, et al.	
		US-6,236,395	05-22-2001	Sezan, et al.	
		US-6,342,904	01-29-2002	Vasudevan, et al.	
		US-2002 0080162	06-27-2002	Pan, et al.	
		US-6,418,168	07-09-2002	Narita	
		US-2002 0141619	10-03-2002	Standridge, et al.	
		US-6,549,643	04-15-2003	Toklu, et al.	
		US-6,678,635	01-13-2004	Torinkere, et al.	
		US-6,774,917	08-10-2004	Foote, et al.	

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		SUNGHOON CHOI, YONGDUEK SEO, HYUNWOO KIM, and KI-SANG HONG, "Where are the ball and players?: Soccer Game Analysis with Color-based Tracking and Image Mosaick," Dept. of EE, Pohang University of Science and Technology, Republic of Korea, pp. 1-15.	
		VIKRANT KOBLA, DANIEL DeMENTHON, and DAVID DOERMANN, "Identifying Sports Videos Using Replay, Text, and Camera Motion Features," University of Maryland, Laboratory for Language and Media Processing; at least one year prior to filing date; 12 pages.	
		RICHARD W. CONNERS and CHARLES A. HARLOW, "A Theoretical Comparison of Texture Algorithms," IEEE Transactions on Pattern Analysis and Machine Intelligence, Vol. PAMI-2, No. 3, May 1980, pp.204-222.	<input type="checkbox"/>
		S. E. LEVINSON, L. R. RABINER, and M. M. SONDHAI, "An Introduction to the Application of the Theory of Probabilistic Functions of a Markov Process to Automatic Speech Recognition," American Telephone and Telegraph Company, The Bell System Technical Journal, Vol. 62, No. 4, April 1983, pp. 1035-1074.	



		LAWRENCE R. RABINER, "A Tutorial on Hidden Markov Models and Selected Applications in Speech Recognition," Proceedings of the IEEE, Vol. 77, No. 2, February 1989, pp. 257-286.	
		STEPHEN S. INTILLE, "Tracking Using a Local Closed-World Assumption: Tracking in the Football Domain," M.I.T. Media Lab Perceptual Computing Group Technical Report No. 296, pp. 1-62, Submitted to the Program in Media Arts and Sciences, School of Architecture and Planning on August 5, 1994.	
		PADHRAIC SMYTH, "Belief Networks, Hidden Markov Models, and Markov Random Fields: a Unifying View," Information and Computer Science Department, University of California, Irvine, CA, March 20, 1998, pp. 1-11.	
		NOBORU BABGUCHI, YOSHIHIKO KAWAI, YUKINOBU YASUGI, and TADAHIRO KITAHASHI, "Linking Live and Replay Scenes in Broadcasted Sports Video," Proceedings of ACM Multimedia 2000 Workshop on Multimedia Information Retrieval (MIR2000), pp. 205-208, November 2000.	
		LEXING XIE, "Segmentation and Event Detection in Soccer Audio," EE 6820 Project, Soccer Audio, Columbia University, May 15, 2001, pp. 1-9.	
		PENG XU, CHIH-FU CHANG, AJAY DIVAKARAN, ANTHONY VETRO, and HUIFANG SUN, "Algorithms and System for High-Level Structure Analysis and Event Detection in Soccer Video," Columbia University, ADVENT - Technical Report #111, June 2001.	
		HAO PAN, BAOXIN LI, and M. IBRAHIM SEZAN, "Automatic Detection of Replay Segments in Broadcast Sports Programs by Detection of Logos in Scene Transitions," IEEE ICASSP 2002, pp. 3385-3388.	
		LEXING XIE and SHIH-FU CHANG, "Structure Analysis of Soccer Video with Hidden Markov Models," ICASSP, 2002.	
		RICCARDO LEONARDI and PERANGELO MIGLIORATI, "Semantic Indexing of Multimedia Documents," IEEE 2002 (April - June 2002), pp. 44-51.	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.